AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A misting nozzle system (12) generating a mist jet directed parallel to ~~a jet~~ an axis of rotation (7) and comprising an ejector (8) which is fed with highly pressurized water and which generates a water jet (10) running parallel to the ~~jet~~ axis of rotation (7) and which is configured to rotate about said ~~jet~~ axis of rotation, wherein the nozzle system is enclosed by a casing tube (11) that is fully open at a terminal end~~both its ends~~ during use and concentric with the ~~jet~~ axis of rotation (7).

2. (Previously Presented) The misting nozzle system as claimed in claim 1, wherein the ejector (8) generates the water jet (10) to be slightly tilted relative to the circumferential direction of rotation (F).

3. (Previously Presented) The misting nozzle system as claimed in claim 1, wherein the casing tube (11) extends rearward at least as far as the ejector (8).

4. (Previously Presented) The misting nozzle system as claimed in claim 1, wherein the length of the casing tube (11) is at least twice its diameter.

5. (Previously Presented) The misting nozzle system as claimed in claim 1, wherein at least one more ejector is/are mounted spaced apart on the circumferential path of the ejector (8).

6. (New) A misting nozzle system (12) generating a mist jet directed parallel to a axis of rotation (7) and comprising an ejector (8) which is fed with highly pressurized water and which generates a water jet (10) running parallel to the axis of rotation (7) and which is configured to rotate about said jet axis, wherein the nozzle system is enclosed by a casing tube (11) that has a length about twice its diameter and is open at both its ends and concentric with the axis of rotation (7).

7. (New) The misting nozzle system as claimed in claim 6, wherein the ejector (8) generates the water jet (10) to be slightly tilted relative to the circumferential direction of rotation (F).

8. (New) The misting nozzle system as claimed in claim 6, wherein the casing tube (11) extends rearward at least as far as the ejector (8).

9. (New) The misting nozzle system as claimed in claim 6, wherein at least one more ejector is/are mounted spaced apart on the circumferential path of the ejector (8).

10. (New) A method of generating mist comprising the steps of:

-providing a misting nozzle system having:

an ejector (8) which generates a water jet (10) running parallel to the axis of rotation (7) and which is configured to rotate about said axis of rotation; and

a casing tube that encloses the nozzle system;

- feeding highly pressurized water through the ejector whereby after exiting the ejector a stream of water entrains an adjacent high speed airflow and generates a mist; and

- exhausting the mist through a completely open terminal end of the casing tube.